

ABSTRACT

A plurality of lead-out wires 10 and 11 provided with insulating coating are stacked in a pressure sensitive sensor 1 and are molded in the shape of a cable, and at a distal end portion S the lead-out wire 11 is connected to a central electrode 2 and the lead-out wire 10 to an outer electrode 4. Consequently, if the pressure sensitive sensor 1 is connected to an external circuit 12, and a third resistor 15 is connected between the lead-out wire 10 and the lead-out wire 11 in the external circuit 12, a circuit is formed which is equivalent to a circuit for detecting a disconnection and a short circuit in a conventional pressure sensitive sensor, making it possible to detect a disconnection and a short circuit of each electrode. Further, the construction of the leading end portion becomes simple, and a nonsensitive area can also be reduced, so that the detection performance improves.

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